| Index of Claims | Application No. | Applicant(s) |  |  |  |  |  |  |
|-----------------|-----------------|--------------|--|--|--|--|--|--|
|                 | 09/442,038      | YONEDA ET AL |  |  |  |  |  |  |
|                 | Examiner        | Art Unit     |  |  |  |  |  |  |
|                 | Nathan W. Ha    | 2814         |  |  |  |  |  |  |

| <b>√</b> | Rejected |  | _          | (Through numeral)<br>Cancelled |       |          |  |  |   |      | N    | No  | n-El | lec | ted   |          | A | Appeal |  |   |     |  |  |  |
|----------|----------|--|------------|--------------------------------|-------|----------|--|--|---|------|------|-----|------|-----|-------|----------|---|--------|--|---|-----|--|--|--|
| =        | Allowed  |  | Restricted |                                |       |          |  |  | ı | Int  | erfe | rer | ce   |     | 0     | Objected |   |        |  |   |     |  |  |  |
| Date     |          |  |            |                                | Cla   | aim      |  |  | r | Date |      |     |      | 1   | Cla   | aim      |   |        |  | D | ate |  |  |  |
| 2/26/01  |          |  |            |                                | Final | Original |  |  |   |      |      |     |      |     | Final | Original |   |        |  |   |     |  |  |  |

| Claim                          |  | Date   |                             |  | laim     | Γ            |                 |          | Dat     | e  |                 |          |           | [   | Cla   | aim        |          | _            |          |          | ate      | )             |          | _        |          |
|--------------------------------|--|--|-----------------------------|--|----------|--------------|-----------------|----------|---------|--|-----------------|----------|-----------|-----|-------|------------|----------|--------------|----------|----------|----------|---------------|----------|----------|----------|
| <u>_</u>                       | 2  |  | 111                         | _  | ā        |              |                 |          |         |  |                 |          | - 1       |     | _     | al         |          |              |          |          |          |               |          |          | ,        |
| Final                          | 26   |  | 111                         | Final  | Original |              |                 |          |         |  |                 |          |           |     | Final | Original   |          |              |          |          |          |               |          | - 1      |          |
| ا ۾ اي ′                       |  | ]   1  | 111                         | "  | l ë      |              |                 |          | 1       |  |                 |          | - 1       |     | ш     | Ö          |          |              |          |          |          |               |          | ı        |          |
|                                | 7  | <del>                                     </del> | +++                         |  |          | ┼            | ┝╼┼             | -        | +       | ╀  | H               | $\dashv$ | $\dashv$  | - } | -     | 101        |          | -            |          |          |          |               |          | $\dashv$ | $\dashv$ |
| 1 2                            |  |  | ++-                         |  | 51<br>52 | ┼            |                 | +        | +       | ╁  | Н               | $\dashv$ | $\dashv$  | ŀ   |       | 102        |          |              | _        |          |          | -             |          |          | $\dashv$ |
| 3                              | <del>&gt;  -  -</del>                            | <del>                                     </del> | +++                         | $\dashv$                                     | 53       | +            | $\vdash$        | +        | +       | ┢  | H               | $\vdash$ | $\dashv$  | ł   |       | 103        |          | -            | -        |          |          | $\vdash$      |          | $\dashv$ | $\dashv$ |
| 1 2                            |  | <del>                                     </del> | +++                         | $\dashv$                                     | 54       | $\vdash$     | $\vdash$        | +        | +       | +  | Н               | $\dashv$ | ᅱ         | ŀ   |       | 104        | —        | -            | -        | _        |          | -             |          | $\dashv$ | $\dashv$ |
| 4 5                            |  |  | 111                         | <b></b>                                      | 55       | 1            | $\vdash$        | +        | +       |  | Н               | $\neg$   | ᅥ         |     |       | 105        | _        | <del> </del> | -        | $\neg$   |          | Н             |          | 一        | $\dashv$ |
| 18                             | 11 1   |  |                             |  | 56       | 1            |                 |          |         | 1  |                 |          | ╗         |     |       | 106        |          |              |          |          |          |               |          | ヿ        | $\neg$   |
|                                |  |  |                             | 7 -  | 57       |              |                 |          |         |  |                 |          | $\exists$ |     |       | 107        |          |              |          |          |          |               |          | コ        |          |
| 6 8                            | =          |  |                             |  | 58       |              |                 |          |         |  |                 |          |           | . [ |       | 108        |          |              |          |          |          |               |          | $\Box$   |          |
| 7 9                            | <u> </u>   |  |                             | ┙.┕  | 59       |              |                 |          |         |  | Щ               |          | ┙         |     |       | 109        |          |              |          |          |          |               |          |          |          |
|                                | 4  |  | 1                           | _  | 60       | igspace      |                 | $\perp$  |         | ┖  | Ш               | $\perp$  | _         |     |       | 110        |          |              |          |          |          |               |          | _        |          |
| 12                             |  | $\sqcup \bot \bot$                               | $\bot \bot \bot$            | _  | 61       | ļ            | $\vdash$        | $\bot$   | 4-      | 1  |                 | _        | 4         |     |       | 111        | _        |              | Ш        |          | _        | Щ             |          |          |          |
| 12/                            | ++   | +++  | +++                         | <b>⊣                                    </b> | 62       | ╂            | $\vdash$        | +        |         | ┞  |                 |          | 긕         |     |       | 112        | _        | <b> </b>     | Ш        | -        |          | Щ             |          | $\dashv$ |          |
| 137                            | <del>                                     </del> | ++   | +++                         | +  | 63<br>64 | $\vdash$     | $\vdash \vdash$ | +        | +       | +-   | $\vdash \vdash$ |          |           |     |       | 113<br>114 | _        | ├            | Н        | -        |          | $\vdash$      | _        |          |          |
|                                | #  | <del>                                     </del> | <del>-   </del>             | ┥ ├─   | 65       | <del> </del> |                 |          | +-      | ┼  |                 | $\dashv$ | $\dashv$  |     |       | 115        |          | $\vdash$     | H        | $\vdash$ |          | H             |          | $\dashv$ | $\dashv$ |
| 15                             | 71-  | <del>                                     </del> | <del>- - -</del>            | $\dashv$                                     | 66       | ┼            |                 | +        | +       | ╁╌   | $\vdash$        | $\dashv$ | $\dashv$  | -   |       | 116        |          | H            | H        |          |          | $\vdash$      |          | $\dashv$ | $\dashv$ |
| 17                             | ╅┼╌╁╴  | <del>                                     </del> | <del>-  -</del>             |  | 67       | +            |                 | +        | +       | ╁╌   | $\vdash$        | $\dashv$ | $\dashv$  | :   |       | 117        |          | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$ | H             |          | $\dashv$ | $\dashv$ |
| 9 18                           | =  | <del>                                     </del> | +++                         | ┦. ├─  | 68       | T            | $\vdash$        | $\top$   | $\top$  | $\dagger$  | $\vdash$        | $\dashv$ | ᅥ         |     |       | 118        |          |              |          | -        | -        | H             |          | $\dashv$ | 7        |
| 19                             |  |  |                             |  | 69       | T            |                 |          | +       | <del>                                     </del> |                 |          | ᅱ         |     |       | 119        | -        |              |          |          |          |               | T        | 寸        | $\neg$   |
| 10 20                          | =  |  |                             | <b>     </b>                                 | 70       |              |                 |          | _       | Т  |                 |          | ╗         |     |       | 120        |          |              |          |          |          |               | $\Box$   | $\neg$   | $\Box$   |
| 12 21                          | 1111   |  |                             |  | 71       |              |                 |          |         |  |                 |          |           |     |       | 121        |          |              |          |          |          |               |          |          |          |
| 11 22                          | =  |  |                             | <b>」</b>                                     | 72       |              |                 |          |         |  | Ш               |          |           | ļ   |       | 122        |          |              |          |          |          |               |          |          |          |
| 23                             | 4  | <u> </u>   |                             | _  | 73       | _            |                 |          | _       | ļ  |                 |          |           |     |       | 123        |          |              |          |          |          |               |          | $\dashv$ | لــــ    |
| 24                             |  | -+-  |                             |  | 74       | <u> </u>     |                 |          | 4-      | <u> </u>   | Ш               |          | _         |     |       | 124        |          | <u> </u>     |          |          |          |               |          | _        | لــــا   |
| 28                             |  | <del> </del>                                     |                             |  | 75       | ├            |                 | -        | +       |  | H               | -        | -         | -   |       | 125        |          | -            | _        | Н        |          |               | $\dashv$ | -        |          |
| 28                             |  | +++  |                             |  | 76<br>77 | ┼            |                 | +        | ╫       |  | $\vdash$        | -        | $\dashv$  | - } |       | 126<br>127 | -        | -            |          |          |          |               | $\dashv$ | $\dashv$ | $\dashv$ |
| 28                             |  | <del>                                     </del> | <del></del>                 |  | 78       | ╁            |                 | -        | +       | ╁  | Н               | $\dashv$ | $\dashv$  | ł   |       | 128        |          |              | -        | Н        | _        |               | $\dashv$ | $\dashv$ | $\dashv$ |
| 29                             | +  | ++   | 1 1 1                       | $\dashv$                                     | 79       | $\vdash$     | -               | +        | +-      | ╁  | Н               | $\dashv$ | ┪         | ŀ   |       | 129        |          |              |          | $\vdash$ |          |               | $\dashv$ | $\dashv$ | $\dashv$ |
| 38                             | 11   |  | <del>- </del>               | $\dashv \vdash$                              | 80       | 1            |                 | $\neg$   | +-      | <b>†</b>   | Н               | _        | ᅱ         | ı   |       | 130        |          |              |          |          |          | $\neg$        |          | 一        | $\dashv$ |
| / 31                           |  |  |                             |  | 81       | $\top$       |                 |          | $\top$  |  | П               |          | $\neg$    | ı   |       | 131        |          |              |          |          |          |               |          | $\neg$   | $\Box$   |
| , 32                           |  |  |                             |  | 82       |              |                 | I        | Ι       |  |                 |          |           |     |       | 132        |          |              |          |          |          |               |          |          |          |
| 38                             |  |  | $\bot$ $\bot$ $\bot$ $\bot$ | $\bot$                                       | 83       |              | П               |          |         |  | Ш               |          | $\Box$    |     |       | 133        |          |              |          |          |          |               |          | $\Box$   |          |
| 34                             |  | $\sqcup \bot \bot$                               |                             | -    <u>-</u>                                | 84       | _            | $\sqcup$        | $\perp$  | 4       | $\vdash$   | Ш               |          | _         |     |       | 134        |          | L.           | Щ        | Щ        |          | Ш             |          |          |          |
| 35                             | 44   | <del>                                     </del> |                             | 4  -   | 85       | -            | $\vdash \vdash$ | +        | +       | $\vdash$   | $\vdash \dashv$ |          | 4         | ļ   |       | 135        |          | <u> </u>     | _        | $\vdash$ |          | $\dashv$      |          |          |          |
| 38                             | 11 1   | <del>                                     </del> |                             | -  | 86       |              | $\vdash$        | $\dashv$ | +       | ₩  | $\vdash$        |          | $\dashv$  | -   |       | 136        | _        | -            | -        |          | _        |               |          |          |          |
| 37                             |  | +++  |                             | $\dashv \vdash$                              | 87<br>88 |              | $\vdash$        | +        | +       | +  | $\vdash$        | $\dashv$ | $\dashv$  | }   |       | 137<br>138 | -        | $\vdash$     | $\vdash$ |          |          | $\vdash$      | $\vdash$ | $\dashv$ |          |
| 7 39                           |  | <del>                                     </del> | +++                         | $\dashv \vdash$                              | 89       |              | $\vdash$        | +        | +       | ╁╌   | H               | $\dashv$ | $\dashv$  |     |       | 139        | -        | -            | -        | Н        |          |               | -        | $\dashv$ | $\dashv$ |
| 48                             |  | <del>                                     </del> | +++                         | $\dashv$                                     | 90       | $\vdash$     | $\vdash$        | +        | +       | +  | Н               | -        | $\dashv$  | ł   |       | 140        |          |              | $\vdash$ | Н        |          | $\vdash$      | -        | $\dashv$ | $\dashv$ |
| 1 21                           | 1  | <del>                                     </del> | +++                         | <b>⊣</b>                                     | 91       | 1            | $\vdash$        | +        | +       |  | H               | $\vdash$ | $\dashv$  | ł   |       | 141        |          | $\vdash$     | Н        | Н        | $\dashv$ | $\vdash$      |          | $\dashv$ | $\dashv$ |
| 2 42                           | =  |  | 1 1 1                       | <b> </b>                                     | 92       | П            | $\sqcap$        | $\top$   | T       | 1  | Н               | $\Box$   | $\dashv$  | ł   |       | 142        | _        |              |          | П        |          | $\vdash$      |          | $\dashv$ | $\dashv$ |
| 2 42<br>3 43<br>13 44<br>18 45 | =  |  |                             | 7  -   | 93       |              |                 | T        | T       | I  |                 |          | $\Box$    |     |       | 143        |          |              |          |          |          |               |          | ╛        |          |
| 13 44                          | =  |  |                             |  | 94       |              |                 |          |         |  |                 |          |           | Ì   |       | 144        |          |              |          |          |          |               |          |          |          |
| 18 45                          | <u> </u>   |  |                             |  | 95       |              | $\Box$          | $\perp$  |         |  |                 |          | $\Box$    |     |       | 145        |          |              |          |          |          |               |          |          |          |
| 19 46                          | =  | _ _  | $\bot\bot$                  | → L_   | 96       | L            | Ш               |          | $\perp$ | _  | Ш               |          | $\sqcup$  | ļ   |       | 146        |          | <u> </u>     |          | $\Box$   |          | Ш             |          | $\Box$   |          |
| 14 47                          | =  |  |                             | <b>⊣                                    </b> | 97       | 1_           | $\sqcup$        | _        | $\perp$ | <u> </u>   |                 |          | $\dashv$  | Ì   |       | 147        |          | <u> </u>     | <u> </u> |          |          | Щ             |          |          | لـــ     |
| 15 48                          | 11 11 11 11 11 11 11 11                          | <del>├</del> -}-                                 |                             | <b>⊣                                    </b> | 98       | ┼            | -               | _        | +       |  | $\vdash$        |          | $\dashv$  |     |       | 148        | L        | -            | <u> </u> | <b>_</b> |          | $\sqsubseteq$ |          | $\dashv$ | لــ      |
| 16 49                          | = +  | <del>                                     </del> |                             | $\dashv \vdash$                              | 99       | ┼-           | $\vdash$        | +        | +       | ╁  | $\vdash$        |          | $\dashv$  |     |       | 149        |          | <u> </u>     | <u> </u> | <u> </u> |          | H             | $\sqcup$ | $\dashv$ |          |
| 17 50                          | =  | <u>L -l L</u>                                    |                             |  | 100      |              | LL              |          |         | 1  | L               |          |           | L   |       | 150        | <u> </u> | L_           | L.       |          |          |               |          |          |          |